FIG.1

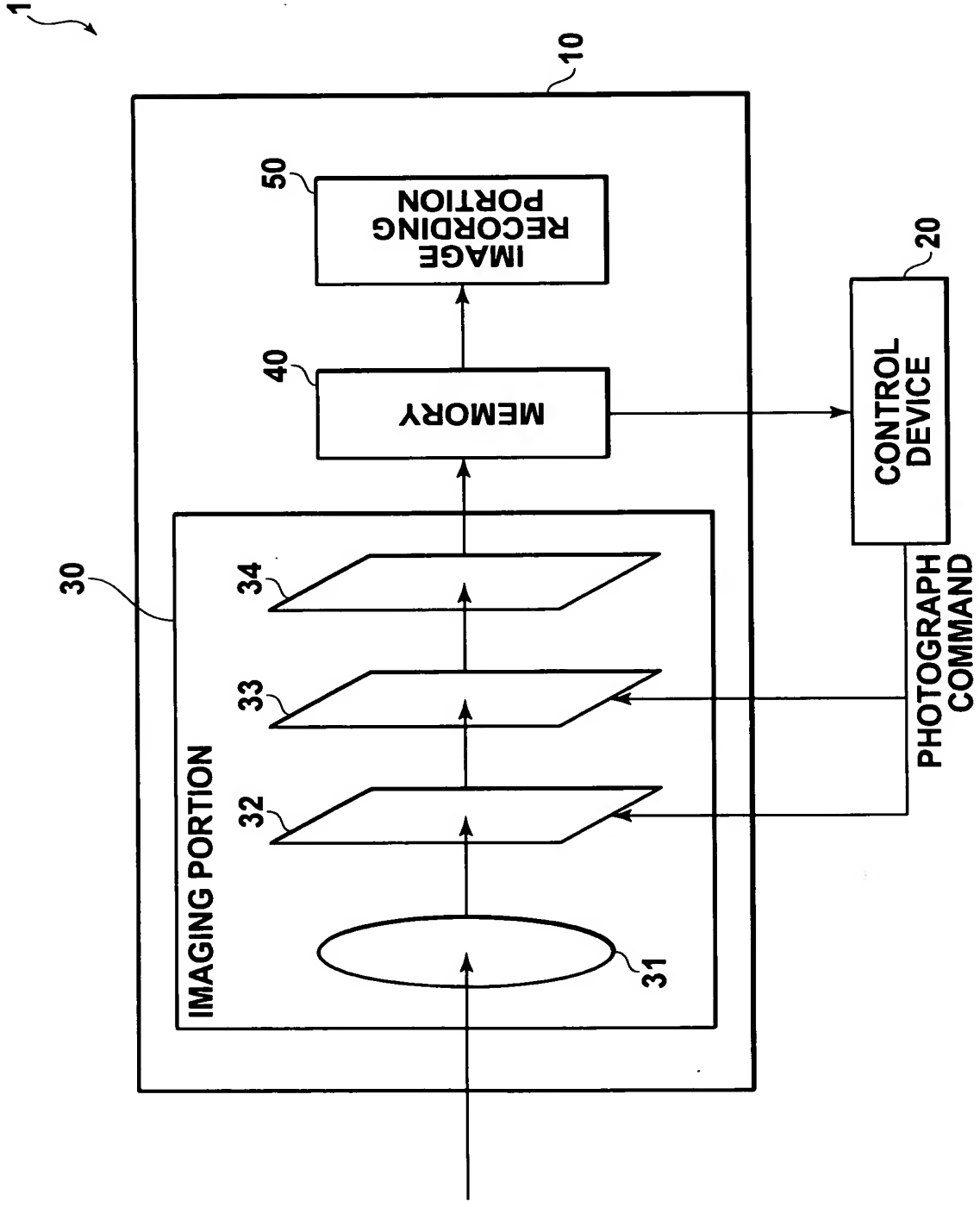
1
10
50
IMAGE RECORDING PORTION
40
MEMORY
20
CONTROL DEVICE
30
34
33
32
31
IMAGING PORTION
PHOTOGRAPH COMMAND

FIG.2

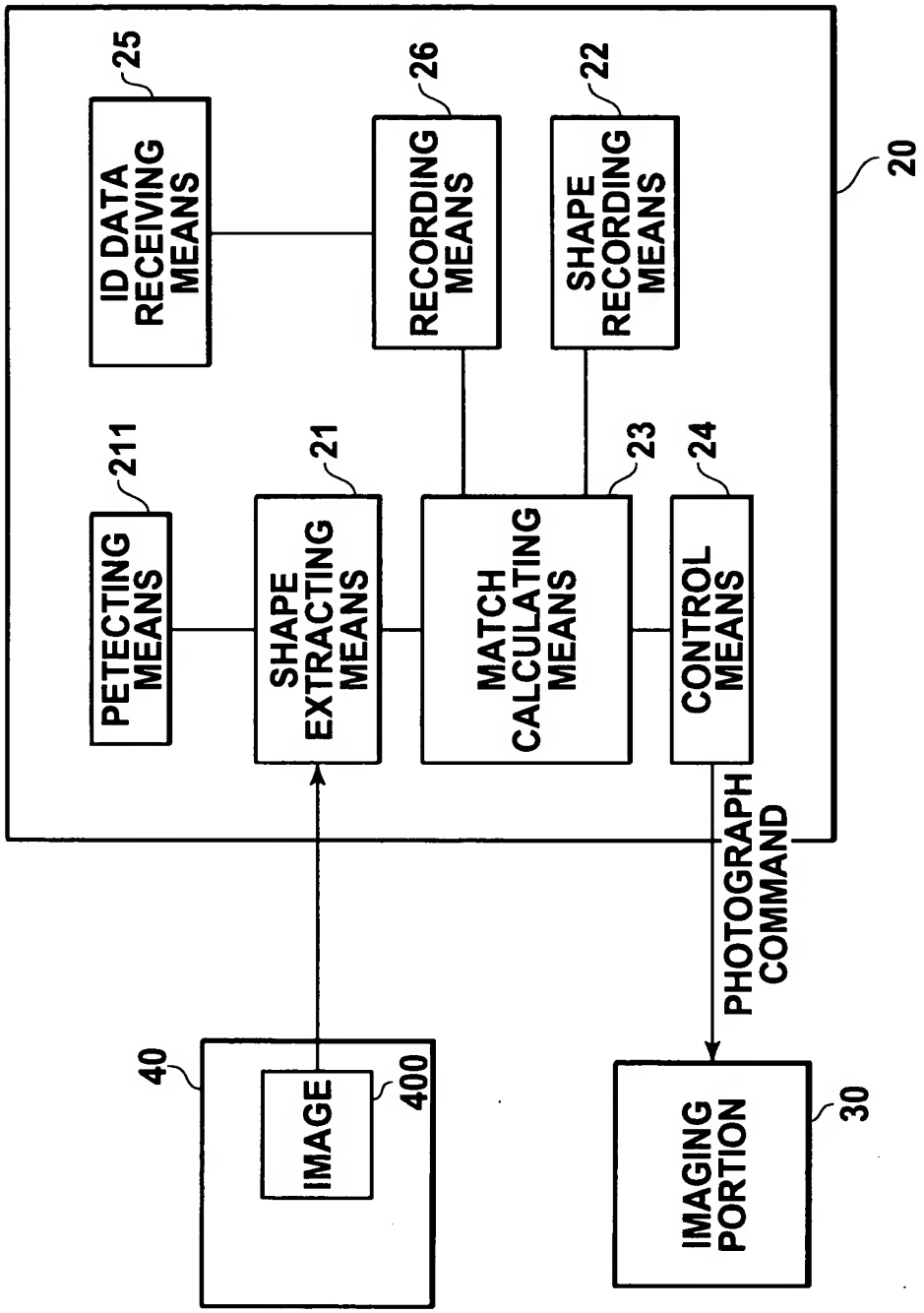
20
25
ID DATA RECEIVING MEANS
26
RECORDING MEANS
22
SHAPE RECORDING MEANS
211
PETECTING MEANS
21
SHAPE EXTRACTING MEANS
23
MATCH CALCULATING MEANS
24
CONTROL MEANS
PHOTOGRAPH COMMAND
40
IMAGE
400
IMAGING PORTION
30

FIG.3

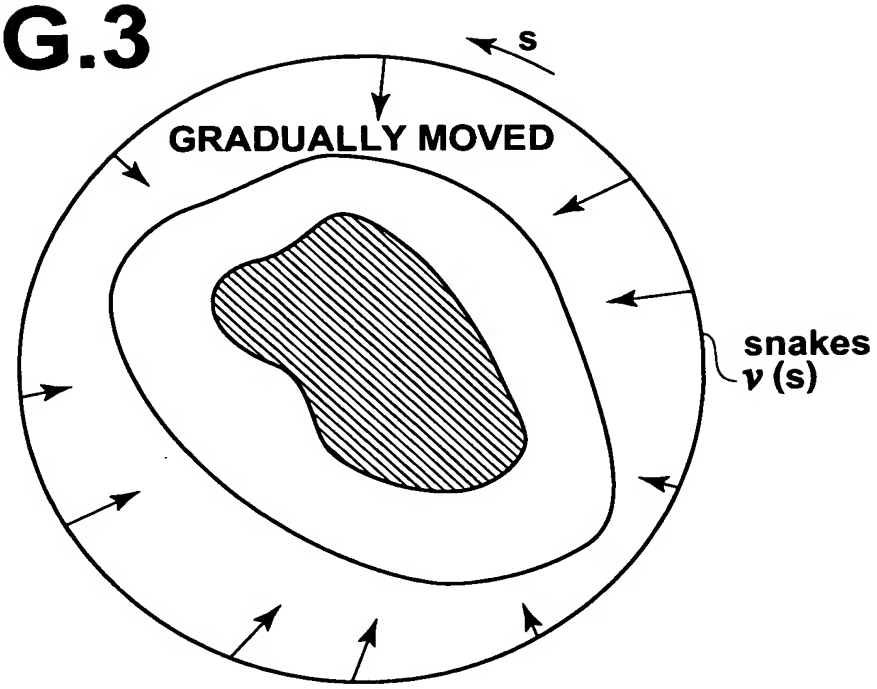

FIG.4

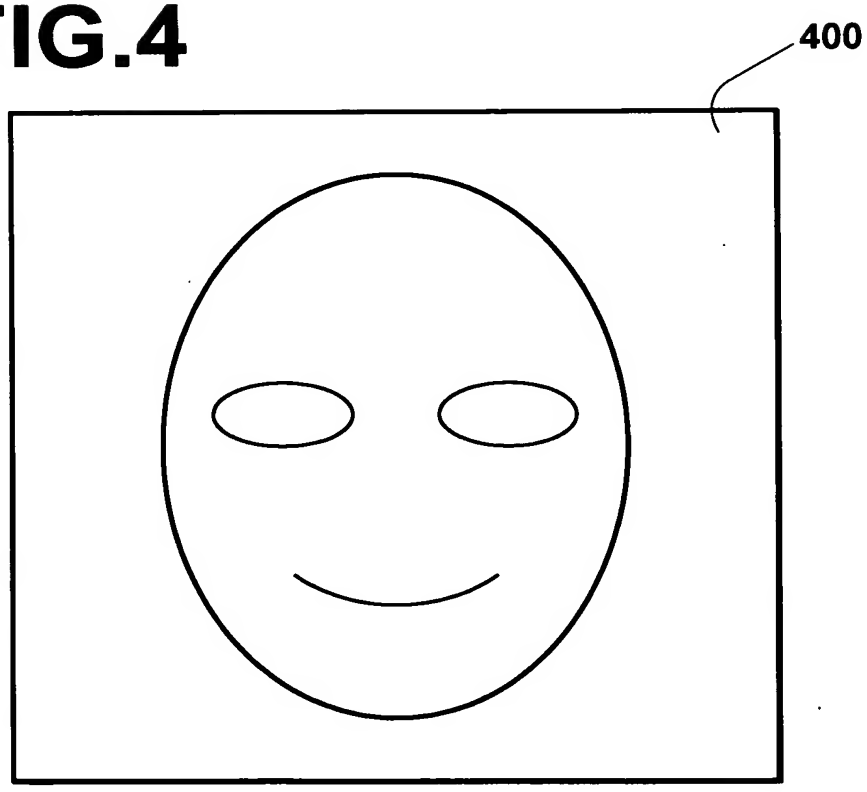

FIG.5

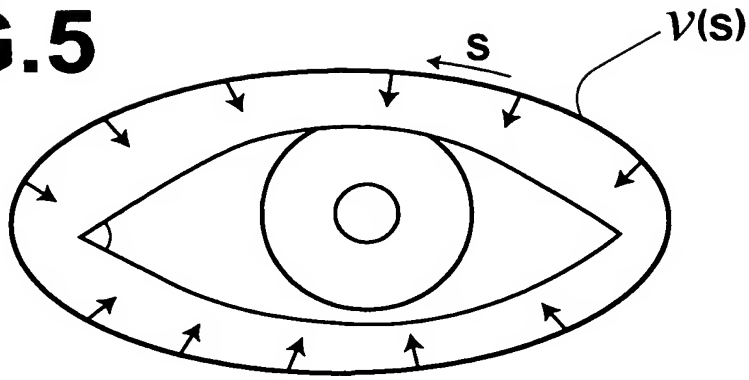

FIG.6A

100% DEGREE OF MATCH

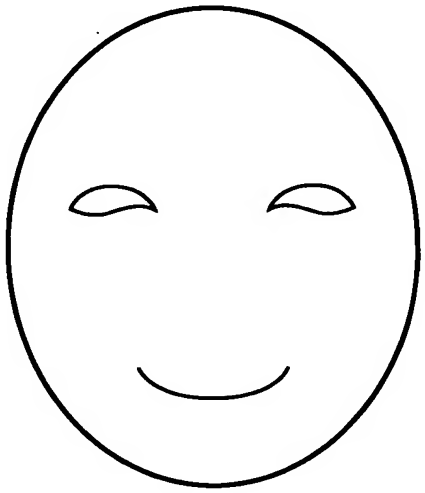

FIG.6B

80% DEGREE OF MATCH

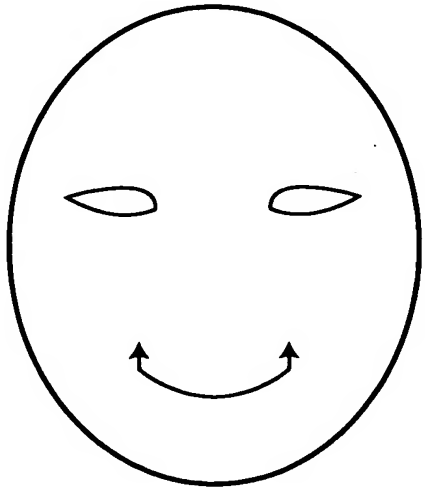

FIG.7

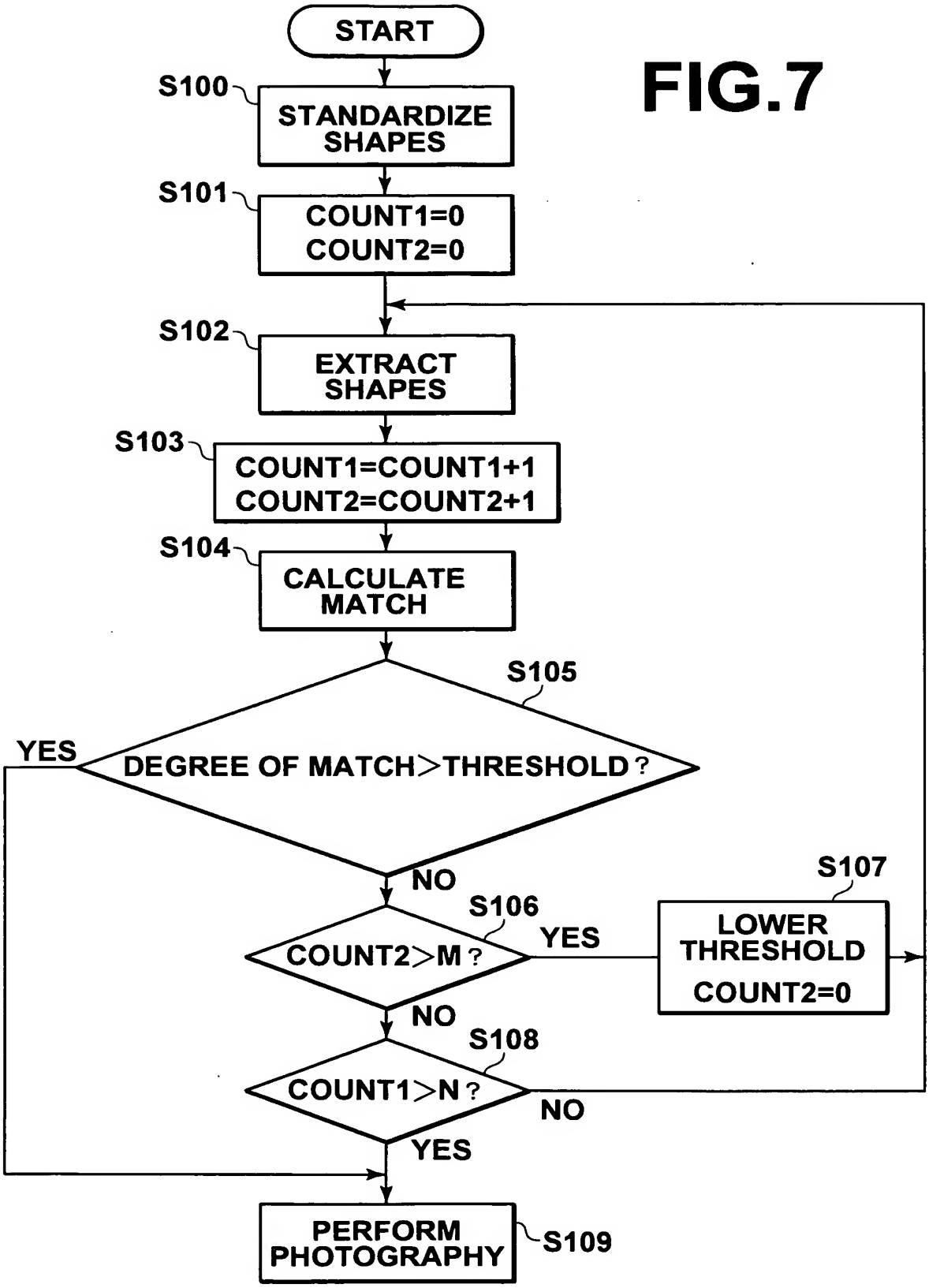
START
S100
STANDARDIZE SHAPES
S101
COUNT1=0
COUNT2=0
S102
EXTRACT SHAPES
S103
COUNT1=COUNT1+1
COUNT2=COUNT2+1
S104
CALCULATE MATCH
S105
DEGREE OF MATCH>THRESHOLD?
YES
NO
S106
COUNT2>M?
YES
S107
LOWER THRESHOLD
COUNT2=0
NO
S108
COUNT1>N?
NO
YES
PERFORM PHOTOGRAPHY
S109

FIG.8

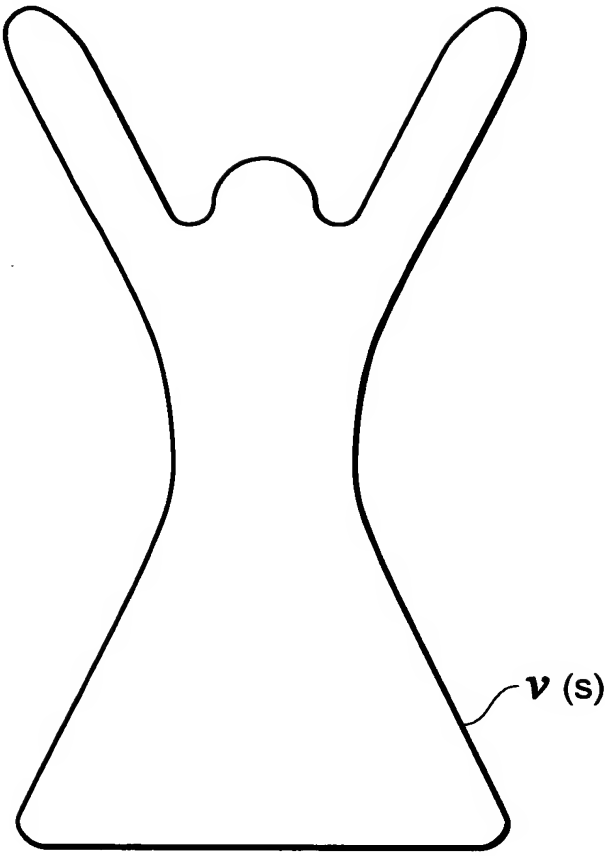

FIG.9

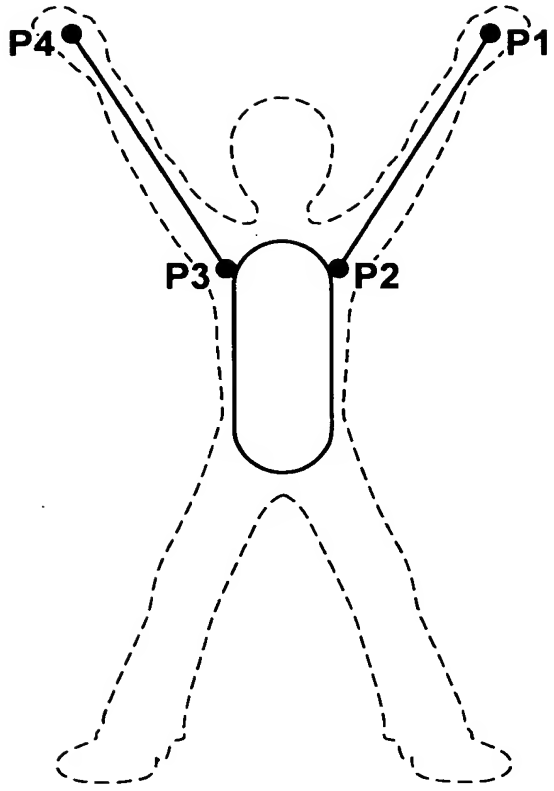
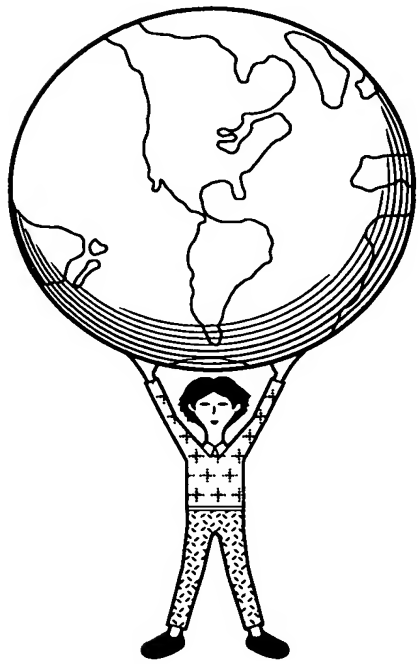
FIG.10